

Special Recognition

- to Governor Donald Carcieri for prioritizing the removal of the Old Jamestown Bridge
- to Senator Lincoln Chafee for securing the funds to complete the project

Project Team

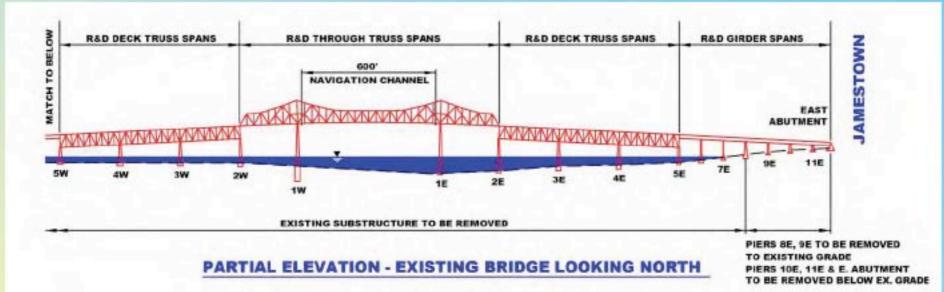
- ► Rhode Island Department of Transportation
 - Gordon R. Archibald, Inc.
 - Parsons Brinkerhoff Quade & Douglas, Inc.
 - Focus Demolition Consulting
- ► Cashman Equipment Corporation
 - Joseph B. Fay Company
 - Demtech, Inc.

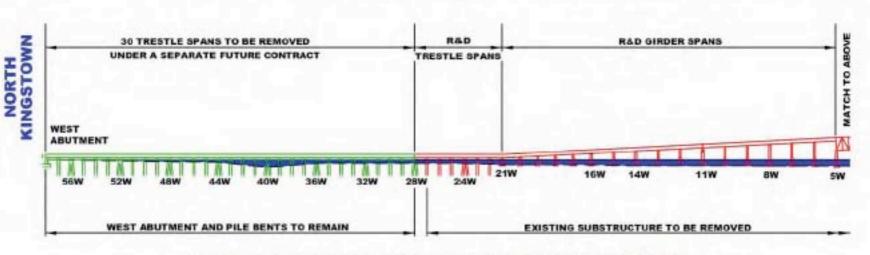
Project Overview

- ► Contract Low Bid Price: \$19.5 Million
- Start of Work: Fall 2005
- Estimated Completion of Demolition Operations: December 2006
- ► Landscape and Cleanup Operations: Spring 2007
- Work Completed To Date:
 - removal of concrete and steel grid decking to expose structural steel
 - construction of a temporary barge berthing facility to facilitate removal of demolition debris

Project Area







PARTIAL ELEVATION - EXISTING BRIDGE LOOKING NORTH

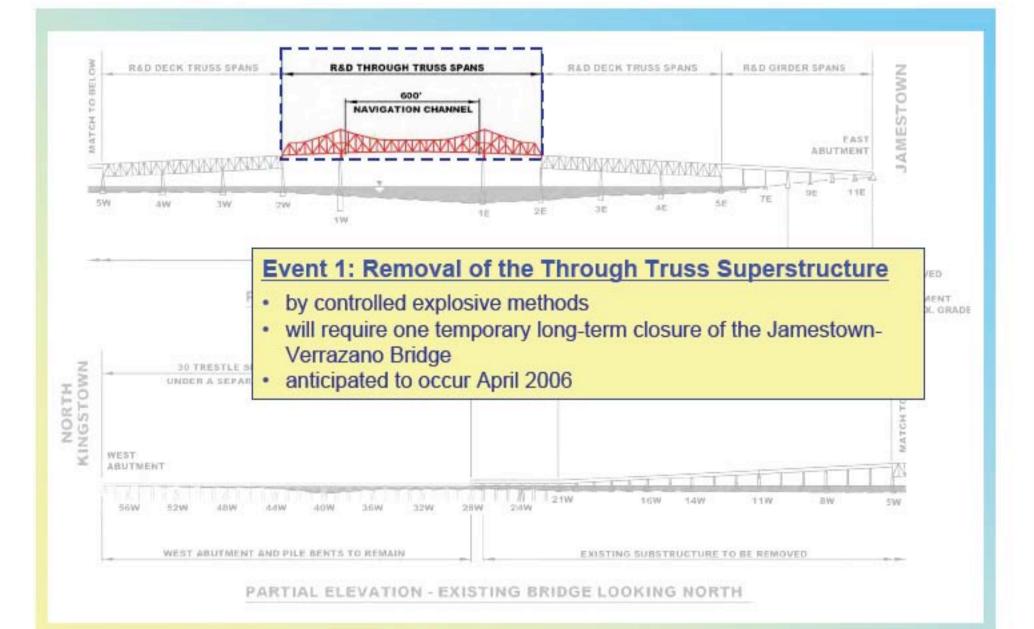
Ongoing Removal Operations

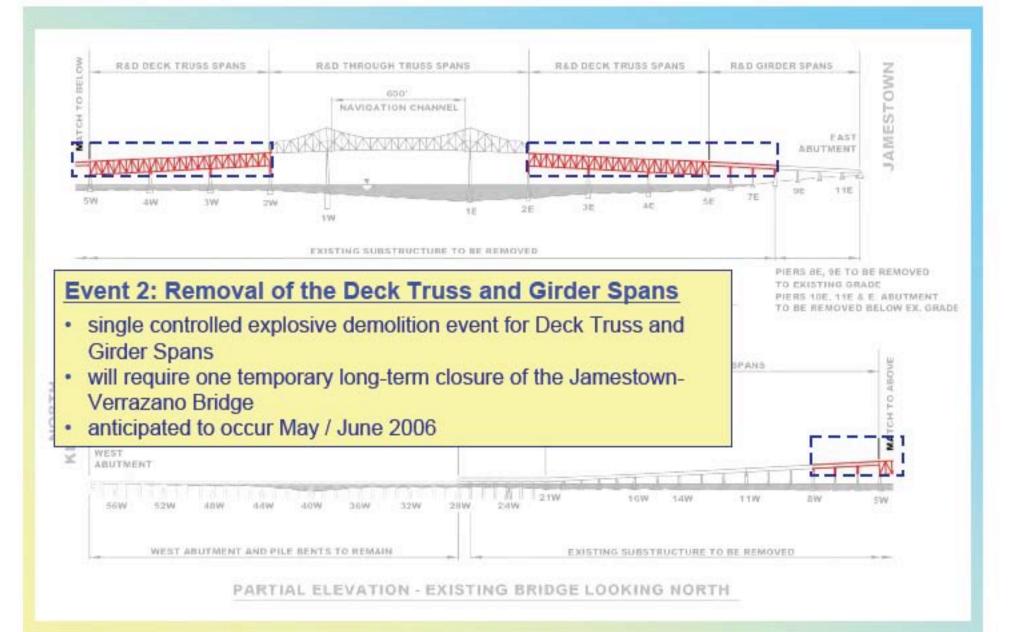


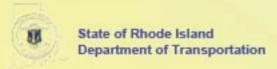












Demolition of the Four Bears Bridge

A similar demolition, of a bridge on the Missouri River, North Dakota

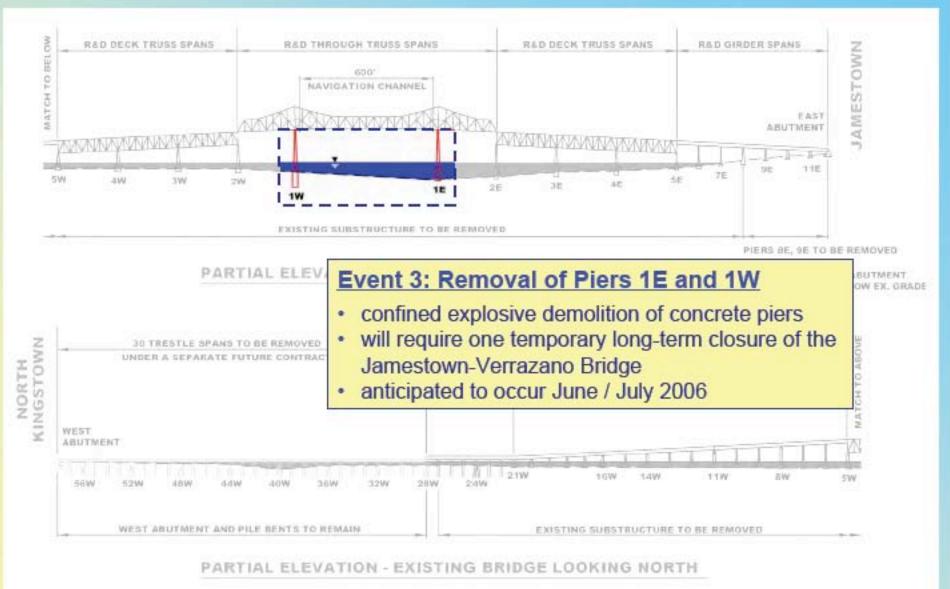


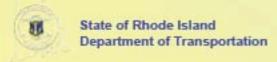


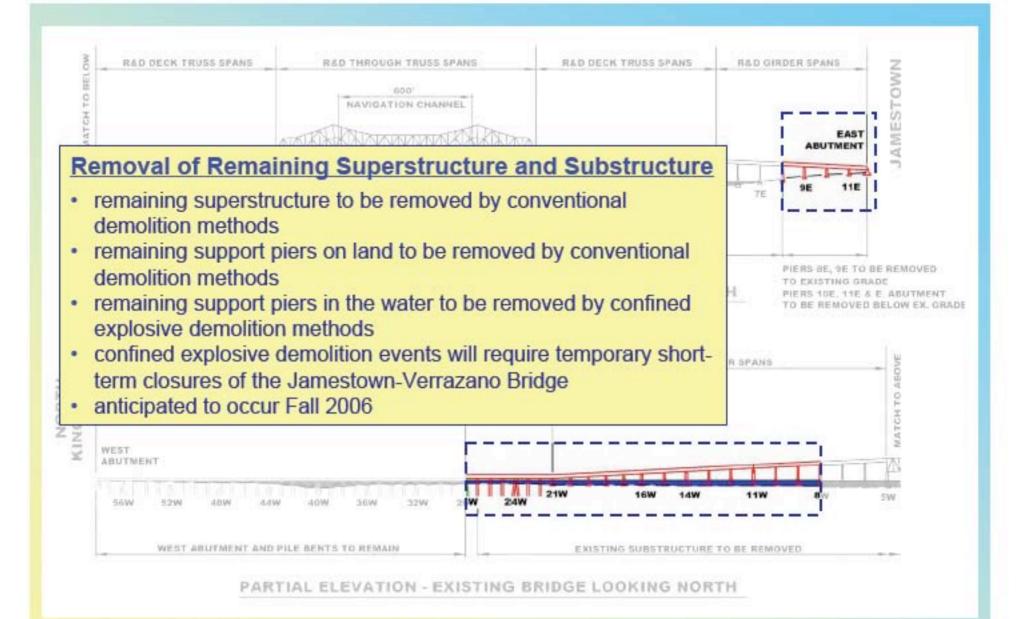








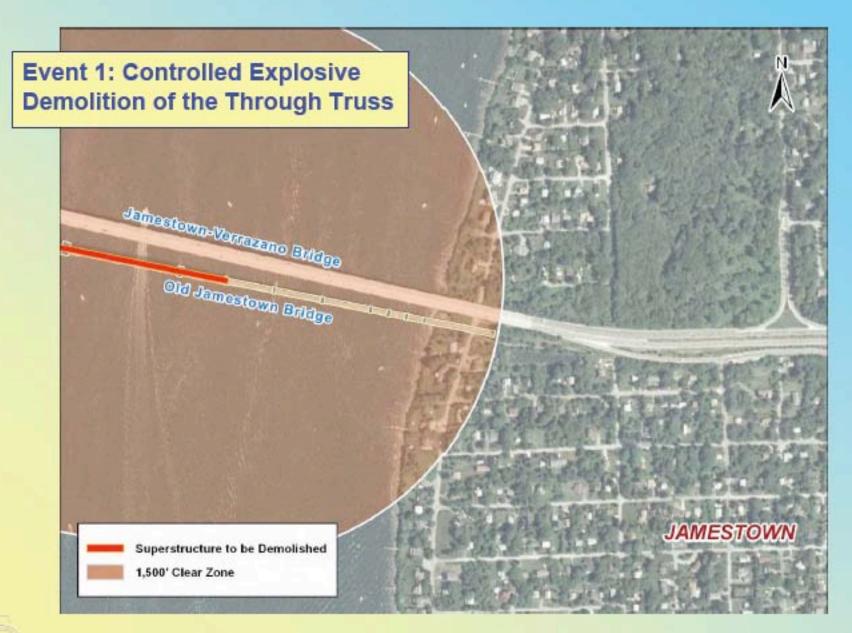




Explosives Safety

Controlled Explosive Demolition of Superstructure

- ► Event 1: Removal of the Through Truss
 - 1,500-foot Clear Zone: homes must be vacated



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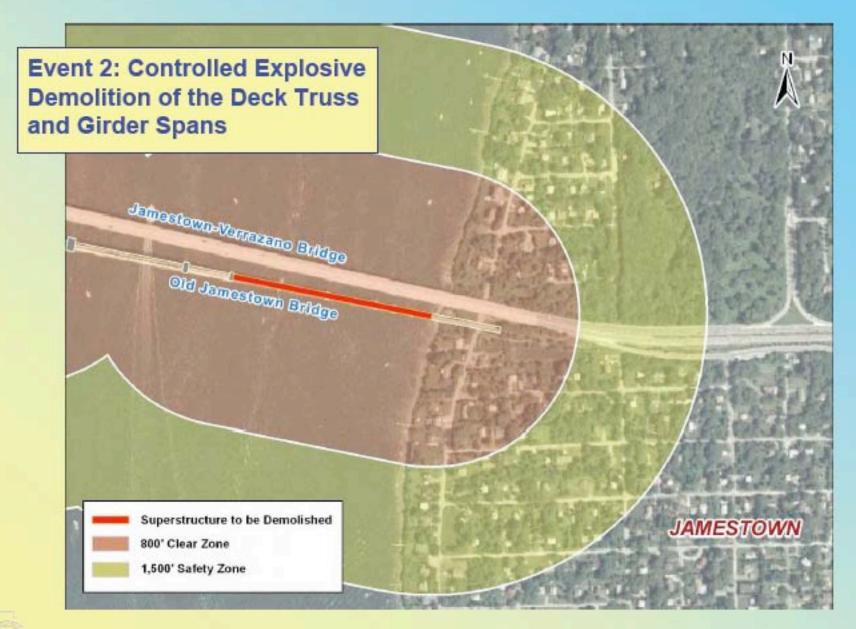
1,500-foot Clear Zone: homes must be vacated

► Event 2: Removal of the Deck Truss and Girder Spans

800-foot Clear Zone: homes must be vacated

1,500-foot Safety Zone: residents advised to stay indoors,

away from windows



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Confined Explosive Demolition of Substructure

demolition of bridge piers 5E, 6E, and 7E near the Jamestown shoreline

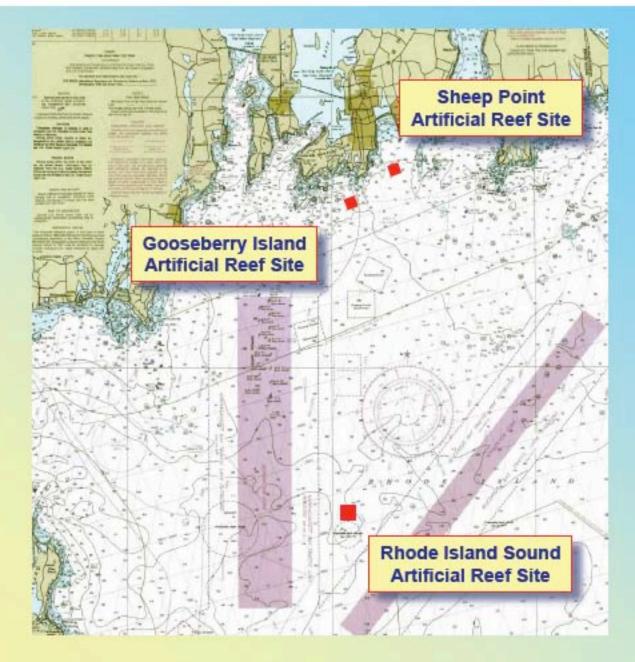
500-foot Clear Zone: homes must be vacated





Materials Removal

- approximately 6,000 tons of structural steel and 43,000 tons of concrete debris will be generated
- fallen debris in the West Passage to be retrieved by bargemounted crane
- structural steel to be salvaged and recycled
- concrete debris to be used to create artificial reefs for marine habitat enhancement



Temporary Closures of the Jamestown-Verrazano Bridge



Temporary Closure Types

Long-term Closures

- not to exceed 4 hours in duration
- one required for each major controlled explosive demolition event (3 total):
 - 1. Removal of the Through Truss
 - 2. Removal of the Deck Truss and Girder Spans
 - 3. Removal of Piers 1E and 1W
- limited to Tuesdays, Wednesdays, and Thursdays between the hours of 10:00 a.m. and 2:00 p.m.

Short-term Closures

- not to exceed 30 minutes in duration
- required for explosive demolition of remaining piers
- 13 Short-term Closures anticipated
- limited to Tuesdays, Wednesdays, and Thursdays between the hours of 10:00 a.m. and 2:00 p.m.

Public Notifications

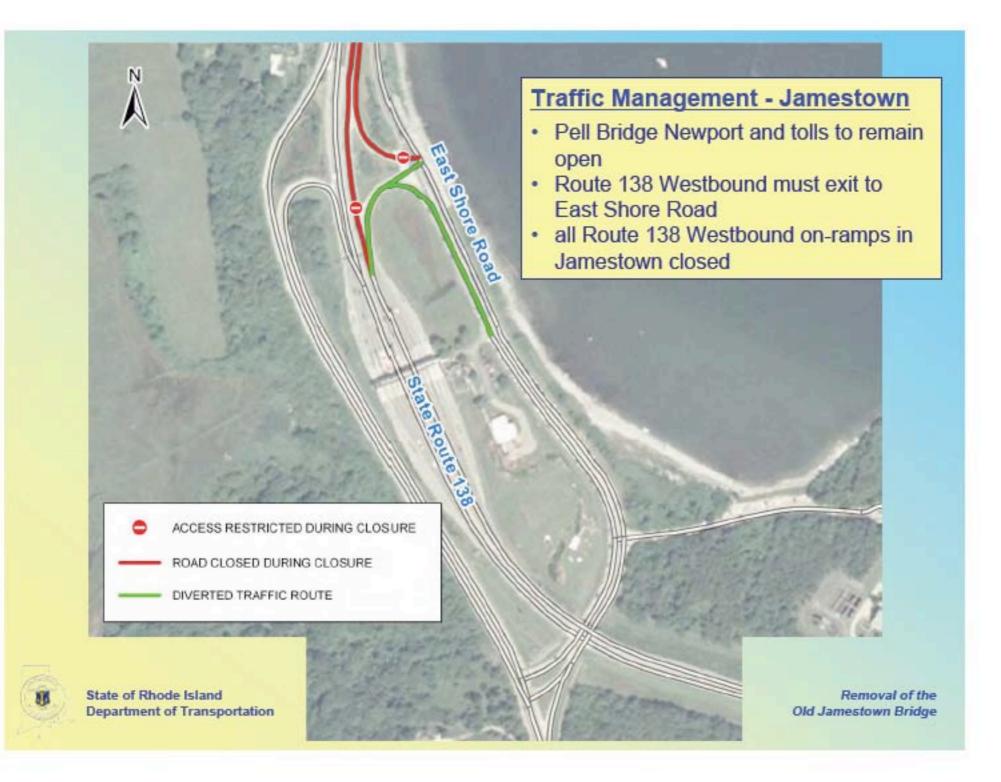
- 2-week advance notice leading up to each bridge closure
- Notification Methods:
 - Roadside Variable Message Boards and Statewide Overhead Message Boards





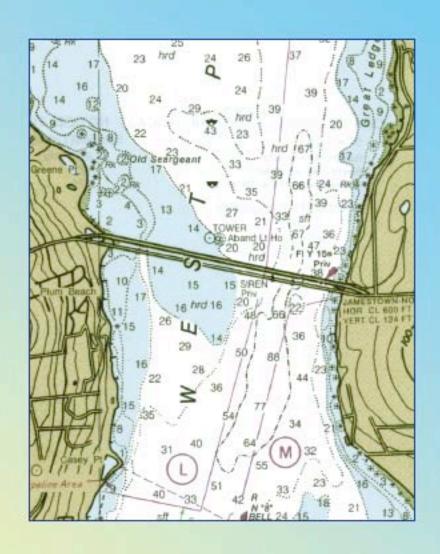
- Highway Advisory Radio (1630 AM)
- Providence Journal and local newspapers
- broadcast news outlets
- RIDOT Web Site (www.dot.state.ri.us)
- separate and more direct means of communication with public safety officials has been established and successfully tested





Marine Navigation

- explosive demolition events will require closure of a portion of the West Passage to all recreational and commercial traffic
- RIDOT will coordinate with the U.S. Coast Guard to re-open the navigation channel as demolition operations proceed
- 3,000-foot clear zone to be established by the U.S. Coast Guard during controlled explosive demolition events



Public Safe Viewing Area

University of Rhode Island Narragansett Bay Campus South Ferry Road, Narragansett



